



Orange Oil

SAFETY DATA SHEET

Section 1 - Identification of the Preparation and the Company

Product Name: **Orange Oil**

Other Names: None

This product is not classified as hazardous according to the criteria of Safe Work Australia.

Not classified as a Dangerous Good according to the Australian Dangerous Goods Code (ADG).

Uses: For maintenance of furniture and timber products.

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Poisons Information Centre

Poisons Information Centre. Phone (e.g. Australia 13 11 26; New Zealand 0800 764 766).

Section 2 – Hazards Identification

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA.

NOT A DANGEROUS GOOD

Hazard Statements

None

Precautionary Statements

None

Section 3 - Composition/Information on Ingredients

Ingredient(s)	CAS-number	%wt
Triglycerides of fatty acids	120962-03-0	>60%
Orange oil	8008-57-9	10 - 30%

Section 4 – First Aid Measures

Ingestion:

NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO DRINK NOR ATTEMPT TO INDUCE VOMITING. If person is conscious, rinse mouth out with water ensuring that mouth wash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek medical attention.

Inhalation:

First aid is unlikely to be required as a result of exposure during normal use but if necessary, remove to fresh air. Keep warm and at rest. Seek medical attention if symptoms persist.

Eye Contact:

Hold eyelids open and rinse the eye continuously with a gentle stream of clean running water for at least fifteen minutes. Seek medical attention if any irritation persists.

Skin Contact:

Remove contaminated clothing and wash thoroughly with soap and water. Use water alone, if soap is unavailable. Apply a moisturising hand cream, if available. Seek medical attention if any soreness or inflammation of the skin persists or develops. Launder affected clothing before re-use.



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Additional Information:

First Aid Facilities: None required.

Advice to Doctor: Treat symptomatically. Because of the slight risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

Entry Route(s): Inhalation and ingestion.

Section 5 – Fire Fighting Measures

Contains flammable liquid, orange oil, in a non-flammable base. It will not ignite readily but if heated strongly, may evolve flammable vapour. May evolve carbon monoxide, carbon dioxide and traces of completely burned carbon products

In case of fire, evacuate personnel to safe areas. Fire fighters should wear self-contained breathing apparatus.

Extinguish using whatever is suitable for the primary cause of the fire.

Section 6 – Accidental Release Measures

Wear protective equipment as specified for handling. Cover with an absorbent such as sand, earth or a commercial oil absorber. Scrape up and place in sealable containers. Dispose to an approved land-fill.

Section 7 – Handling and Storage

Storage:

No special storage precautions required but product life will be maximised if it is stored out of direct sunlight in a cool well-ventilated area. The product may react with strong oxidising agents such as liquid or powdered chlorine

Handling:

No special precautions required.

For Personal Protective Equipment (PPE), see Section 8.

Section 8 – Exposure Controls/Personal Protection

Exposure standards: Exposure standards have not been allocated to this product or its ingredients.

Exposure standards represent airborne concentrations of individual chemical substances, which according to current knowledge, should neither impair the health nor cause undue discomfort to nearly all workers. Exposure standard may be a time-weighted average (TWA), a short-term exposure limit (STEL) or a peak level.

Engineering Controls:

There are no special requirements for normal use.

Personal Protection:

No special requirement for normal use. Rubber gloves may be used to prevent prolonged or repeated skin contact.

Section 9 – Physical and Chemical Properties

Appearance: Oily liquid, fresh, orange odour

Boiling Point: Decomposes

Melting Point: Liquid at room temperature

Vapour Pressure: Negligible

Vapour Density: >1

Specific Gravity: 0.9 (approx.)

Solubility (Water): Emulsifiable

Flash Point: >61°C

Explosion Limits: No data available

% Volatiles: Negligible

Ph: Not relevant



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Section 10 – Stability and Reactivity

Stability: The product is stable in all normal conditions of use and storage

Hazardous Decomposition Products: May evolve carbon dioxide and traces of incompletely burned carbon products if heated to decomposition or burned

Hazardous polymerisation: Will not occur.

Incompatibilities: The product may react with strong oxidising agents such as liquid or powdered chlorine.

Conditions to Avoid: Avoid contact with incompatible materials..

Section 11 – Toxicological Information

Symptoms of Exposure:

ACUTE - SWALLOWED: Practically non-toxic. Ingestion may result in discomfort and may act as a laxative.

ACUTE – EYE: Slight irritant, temporary discomfort may be experienced.

ACUTE – SKIN: Mildly irritating. Prolonged contact with the product may defat the skin and contribute to dermatitis.

ACUTE – INHALED Product has relatively low volatility so inhalation of hazardous quantities of vapour is unlikely to occur during normal use. However, if generated e.g. at elevated temperatures vapours or oil mists can cause irritation to the nose and throat

Chronic Health Effects

Inhalation and ingestion are the routes of entry into the body. Prolonged or repeated skin contact may contribute to dermatitis in sensitive individuals.

Toxicological Information

Orange Oil LD50 Oral - Rat > 5,000 mg/kg. LD50 Dermal - Rabbit - > 5,000 mg/kg

Section 12 – Ecological Information

Orange oil and triglycerides of fatty acids are naturally occurring substances.

Orange oil is naturally occurring in the skin of citrus fruit and occurs as a plant volatile. When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. It is expected to have a low persistence level but may be toxic to aquatic life.

Section 13 – Disposal Considerations

Rinsed containers may be disposed in general waste.

Section 14 – Transport Information

This product is not a dangerous good according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code).

UN Number:	None allocated
Proper shipping name:	None allocated
DG Class:	None allocated
HazChem code:	None allocated
Packing group:	None allocated

Section 15 – Regulatory Information

Product is not a schedule poison according to the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).



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Section 16 – Other Information

REFERENCES

1. List of Designated Hazardous Substances [NOHSC: 10005(1999)]
2. Safe Work Australia Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals, 2016
3. Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003(1995)] and subsequent amendments
4. AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices.
5. AS/NZS 1716 - Respiratory protective devices.
6. Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), Edition, 7.4.
7. International Maritime Dangerous Goods Code (IMDG), and current amendments
8. Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) No. 15, November 2016

ABBREVIATIONS

LC50	Lethal dose for 50% of test population, by inhalation.
LDLo	Lowest documented lethal dose
LD50	Lethal dose for 50% of test population, by ingestion or skin contact
TDL0	Lowest published toxic dose

User should verify applicability of this data sheet if more than 5 years old.

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